

DATASHEET

Glucocorticoid Receptor Mouse Monoclonal Antibody(C3593)

CAT. NO. AMA03205

KEY FEATURES

Target	Glucocorticoid Receptor	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Receptor for glucocorticoids (GC) . Has a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE), both for nuclear and mitochondrial DNA, and as a modulator of other transcription factors . Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Involved in chromatin remodeling . Plays a role in rapid mRNA degradation by binding to the 5' UTR of target mRNAs and interacting with PNC2 in a ligand-dependent manner which recruits the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay . Could act as a coactivator for STAT5-dependent transcription upon growth hormone (GH) stimulation and could reveal an essential role of hepatic GR in the control of body growth .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to Glucocorticoid Receptor
Specificity	Recognizes endogenous levels of Glucocorticoid Receptor protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Glucocorticoid Receptor. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 85 kD; Observed: 94 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GRL; Glucocorticoid receptor; GR; Nuclear receptor subfamily 3 group C member 1
Gene Symbol	NR3C1
Entrez Gene	2908(Human)
SwissProt	P04150(Human); P06537(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

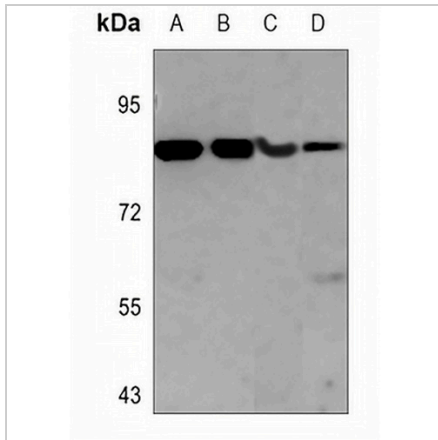
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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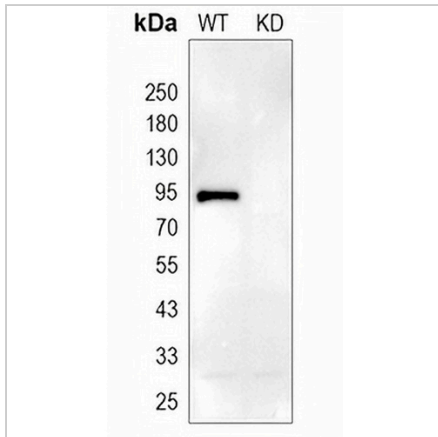
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Western blot analysis of Glucocorticoid Receptor expression in HeLa (A), A549 (B), CCRFCEM (C), CHO (D) whole cell lysates. (Predicted band size: 85 kD; Observed band size: 94 kD)



Western blot analysis of Glucocorticoid Receptor expression in wild type (WT) and knockdown (KD) HeLa cell lysates.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.